FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

gton, D.C. 20549	OMB APPROVAL

OMB Number:	3235-028								
Estimated average burden									
hours per response:	0.5								

## Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

						0000	011 00(11) 0	1 1110 1	iivesiiieiii C	ompany 7 to	01 10-10						
1. Name and Address of Reporting Person*  KELLOGG PETER N					2. Issuer Name and Ticker or Trading Symbol YIELD10 BIOSCIENCE, INC. [YTEN]							5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
KELLC	JGG PE I	ENI			$I^{-}$						-		X Directo	r	10% O	vner	
(Last) (First) (Middle) C/O YIELD10 BIOSCIENCE, INC.						3. Date of Earliest Transaction (Month/Day/Year) 12/29/2017							Officer below)	(give title	Other (s below)	specify	
19 PRESIDENTIAL WAY					4. 1	4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applicable				
(Street)	IN M	ΙΔ.	01801									Line	X Form fi	led by One Re			
WOBUR	N M	A	01801		-									Form filed by More than One Reporting Person			
(City)	(S	tate)	(Zip)														
		Tal	ole I - Nor	ı-Deriv	vativ	e Se	curities	Acc	uired, Di	sposed o	of, or Be	neficial	y Owned				
1. Title of Security (Instr. 3)  2. Transar Date (Month/Date)							2A. Deemed Execution Date, if any (Month/Day/Yea		3. Transactio Code (Inst	n Dispose	4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)		5. Amour Securitie Beneficia Owned F Reported	s For	n: Direct I or Indirect I nstr. 4)	7. Nature of Indirect Beneficial Ownership	
									Code V	Amount	(A) or (D)	Price	Transact (Instr. 3 a	ion(s)		Instr. 4)	
		•	Table II - I						ired, Dis options,				Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	se (Month/Day/Year)	3A. Deemed Execution Date if any (Month/Day/Yea	ate, T	Code (In				6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title an Amount of Securities Underlyin Derivative (Instr. 3 a	of s ng e Security	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		(Instr. 4)			
Stock Option (right to buy)	\$1.77	12/29/2017			A		6,726 <sup>(1)</sup>		12/29/2017	12/29/2027	Common Stock	6,726	\$1.39	6,726	D		

## **Explanation of Responses:**

1. These options were issued to the Reporting Person pursuant to the Issuer's Director Compensation Policy in lieu of \$9,375 of cash compensation for services rendered to the Issuer as a member of its Board of Directors and/or a committee thereof during the fourth quarter of 2017.

/s/ Megan N. Gates, attorneyin-fact

01/03/2018

\*\* Signature of Reporting Person

erson Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- \* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.